naito

V1

USER MANUAL

Thank you for purchasing Naito V1

The Naito V1 is a state-of-the-art ultra compact DashCam featuring full HD 1080 video, Loop Recording, Motion Detection and G-Sensor. *Please read this manual carefully before using the product.*

» Motorcams Ltd retains all rights to this manual in accordance with copy right laws.

» Motorcams Ltd will occasionally update the firmware for this product. All information and specifications in this manual are subject to change without a prior notice.

» In the event of an accident Motorcams Ltd do not take any responsibility for damages (property, business and/or indirect damages).

Warranty and Disclaimer

» We take no responsibility for accidental damage, injuries and other losses caused by improper use of the product.

» This product is a video event data recorder for vehicles but does not guarantee that all accidents will be recorded.

» This product creates a recorded video to help determine what happened before, during and after a crash or event.

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1 Safety Instructions

This manual covers what should be done to protect the user's safety and prevent property damage. Please make sure to read these safety instructions before using the product.

⚠ Do not disassemble, repair and/or alter the product.
This may cause a fire, an electric shock and/or malfunction. Contact the service center if you need to have the product fixed. User may not be entitled to free service if and when product malfunction is caused by user's fault.

⚠ Do not install the product in a location where it obscures the driver's view.
This may be in violation of The Road Traffic Act Regulation 79a

⚠ Do not operate the product while driving.
Use after stopping/parking your car in a safe place.

⚠ Do not wet the product.
This may cause a fire, an electric shock and/or malfunction.

⚠ Drastic changes in brightness (on entry/exit of tunnels), strong backlight in the daytime, and no light source at night may result in deminished video quality.

⚠ Excessively tinted windscreens may cause recorded images to look blurry or distorted.

⚠ Installation Cautions

» Installing or operating the device while driving may cause an accident. Only install and/or operate the device while the vehicle is not in motion.

» If the cigarette lighter receptacle emits fumes or a funny smell, stop using the product immediately and contact us or one of our dealerships.

» Dust and built-up dirt in the cigarette lighter receptacle may cause heat or a fire. Clean it on a regular basis.

» We do not take any responsibility for malfunction, injuries or damage to the product caused by inappropriate use.

⚠ Memory Card Cautions

» Do not forcefully remove the SD card while the product is in recording mode.
Be sure to turn off the camera before removing the SD card.

» Please format the SD card at least once a week
Repeated read-write operations may damage the files contained on the SD card.
Regular formatting will help prevent this from happening.

» The maximum lifespan of a SD card is six months.
We are not liable for any SD card errors after this period.

» Be sure to back up your recorded videos using an additional storage device.

» Format the SD card by using the computer or by using the camera's format function found in settings menu.

» Always use SD cards reccommended by our company. We are not responsible for any issues caused by using an incompatible SD card.

2 Whats Included?

Main Unit

Car Charger

USB-cable

AV-cable

User Manual

» Check to make sure all the components above are included.

» Components may be changed without notice to improve product functionality and/or quality.

» Original Motorcam components are recommended. The use of third party components may restrict warranty.

» All Motorcam units come with a pre-installed 8GB memory card.

3 Product Features

- High-definition Video:
  Motorcam uses high quality megapixel lenses, which produce clear and sharp images even at night.

- G-Sensor:
  If the camera detects gravity acceleration of 4G or more the current file will automatically be protected from being overwritten by the Loop Record function.

- Motion Detection:
  With Motion Detection enabled function turned on (settings menu) the camera will start recording when it detects motion in front of the car while parked.
  NOTE: This function requires hard wiring the camera into the car's fuse box

- Audio Recording:
  The camera is equipped with a high-performance microphone for audio recording.

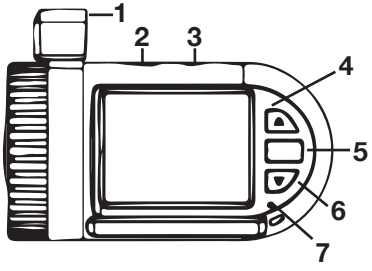
- Night Vision:
  Motorcam X1 uses an extremely light sensitive image sensor to ensure clear images at night.

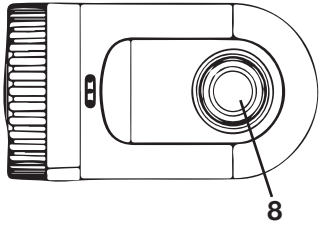
- USB/HDMI:
  The camera connects to a computer via USB and to a TV/Monitor via HDMI.

- Time Stamp:
  Date and time can be embedded in the video with the “Date Stamp” function in the setting menu.

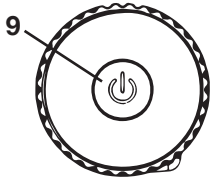
- Anti-Shake:
  Motorcam’s anti-shaking technology ensures stable images.

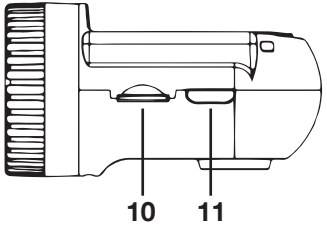
4 Product Overview





1. Bracket	2. USB-slot	3. AV-out	4. UP Button
5. OK Button	6. Down Button	7. Led Indicator	8. Wide Angle Lens





9. POWER Button	10. Micro SD-slot
11. HDMI Out	

5 Operating Instructions

Menu Navigation

From Recording Mode press the POWER button once
enter the Settings menu. Navigate the menu with the UP and DOWN buttons and press OK to enter sub-menus and selecting options. Exit menu or move up a level by pressing the POWER button again. Press the POWER button twice in succession to enter the system settings menu.

#	Sub-Menu	Description	Function
Video Mode			
1	Resolution	1080p / 720p / WVGA / VGA	Set the video resolution
2	Loop Recording	OFF / 3min / 5min / 10min	The length of the files
3	Motion Detection	ON/OFF(default)	Motion Detection ON/OFF
4	Date Stamp	ON(default)/OFF	Embed time and date
5	Record Audio	ON(default)/OFF	Turn MIC ON/OFF
6	G-Sensor Sensitivity	OFF/HIGH/MIDDLE/LOW	Adjust G-Sensor Sensitivity

#	Sub-menu	Description	Function
System Settings			
1	Date/Time		Set the time
2	Auto Power Off	OFF/3min/5min/10min	Set the Auto-Off time
3	Beep Sound	ON/OFF	Turn ON/OFF the button beeps
4	Language		Select operating language
5	Frequency	50/60 HZ	European/US power supply
6	TV Mode	NTSC/PAL	American/European
7	Default Settings	Cancel/OK	Restore factory defaults
8	Version		
9	Delay Power Off	OFF/15s/1/5/30/60 min.	Set the delay power off time
10	Anti-Shaking	ON/OFF	Turns the anti-shaking ON/OFF
11	Image Rotation	ON/OFF	Rotate the image

Operating Modes

1. Video Mode

The camera defaults to Video Mode when switched on manually or connected to the car charger. Press the OK button to start recording. Press OK again to stop recording. The indicator will start to flash blue when recording is initiated. When the camera connected to the 12V car charger it swill shut off automatically 5 seconds after you turn off the ignition or unplug the charger.

2. Photo Mode

Press and hold the OK button to enter Photo Mode. Press OK again to take still photos.

3. Preview Mode

In Photo Mode press and hold the OK button to enter Preview Mode. Use the the UP/ DOWN buttons to select video and photo files. Press the OK button to start/pause video. Press the POWER button once to enter the delete file / format SD card menu. Press and hold the ON button again to go back to Video Mode.

- **Connecting to Computer**
  Press the OK button once and the PC will detect the camera as a storage device. Go to My Computer->Removable disk->DCIM where you will find all the files currently on the memory card.

- **Charging the Battery**
  When attached to the car charger the camera will charge the battery while operating normally. The camera will also charge the battery when connected to a computer via USB

- **Reset**
  If the camera behaves abnormally press the Reset button. The unit will reset automatically.

- **Screen Saver**
  Set the amount of time before the screen saver will kick in or turn it off entirely

6 Specifications

Video Resoloution	1920*1080p/1280*720p/720*480p/640*480p
Viewing Angle	120 degrees
Screen	1.5” TFT display
Video Format	AVI 30fps
Photo Format	JPEG
Storage	Micro SD card Max 32GB
USB-interface	USB2.0
AV/HDMI/out	NTSC/PAL
Battery	250m/AH
Charge time	3 hours
Work temperature	-10C – 60C
Weight	55.2g

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